



Reference: 13117417

## CONTACT

Markets and Products Information  
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## SHIELDED HIGH TEMPERATURE EXTRA - FLEXIBLE POWER CABLES

FLAMEX® EN 50382 - 2 FFXS shielded power cables are designed with extra flexible conductors as per jumper cables. They are used for installations where enhanced electrical screening (EMC) is required. Able to withstand higher operating temperatures, these silicone - based cables allow to save cable weight.

## STANDARDS

Product EN 45545 - 2 (HL3); EN 50382 - 2; IEC 60228

## DESIGN

### 1. Conductor

Extra flexible class 6 copper according to IEC 60228

- tinned copper for 120 ° C Class
- plain copper for 150 ° C Class

### 2. Insulation

Cross - linked silicone type EI 111 according to EN 50382 - 1

Separator: Unweaved tape

### 3. Screen

Tinned copper wire braid

Separator: Unweaved tape

### 4. Outer sheath

Cross - linked silicone type EM 107 according to EN 50382 - 1

Colour: black outer layer

Examples of marking:

FLAMEX SI - EN 50382 - 2 - Voltage rate (1800V or 3600V) - cross - section mm<sup>2</sup> - FFXS - temperature class (120 ° C or 150 ° C) - Manufacturing n° - NEXANS 279 - week/year

DTREN 150068 - EN 50382 - 2 - 1800V - cross - section mm<sup>2</sup> - FFXS - temperature class (120 ° C) - Manufacturing n° - NEXANS 279 - week/year



Conductor flexibility

6



Halogen free  
EN 60754 - 1 & EN 60684 - 2



Uo/U  
(Um)  
1.8 / 3 (3.6) kV



EN 60332 - 1 - 2



Fire retardant  
EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305)



EN/IEC 61034 - 2



가  
EN 50305 - 9.2



Operating temp.  
-50 ... 120 ° C

## CHARACTERISTICS

Conductor flexibility	Tin plated copper 6 High temperature silicone
Halogen free	High temperature silicone EN 60754 - 1 & EN 60684 - 2
Braid section	70 mm <sup>2</sup> 11.5 mm 8.5 mm <sup>2</sup>
Nominal outer diameter	19.3 mm
Minimum outer diameter	18.5 mm
Maximum outer diameter	20.7 mm
( )	918 kg/km
Uo/U (Um)	1.8 / 3 (3.6) kV
Fire retardant	EN 60332 - 1 - 2 EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305) EN/IEC 61034 - 2
가 操作度范	EN 50305 - 9.2 - 50 ... 120 ° C
Electro magnetic interference resistance	Yes
Max. conductor temperature in service	120 ° C
Overload maximum core temperature	140 ° C
Chemical resistance	Good